### MS MIS CERTIFICATES (12 CREDIT HOURS)

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Grade</th>
<th>Cr</th>
<th>Offered</th>
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<tbody>
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<td>0</td>
<td>Course Name</td>
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#### PROJECT MANAGEMENT

**PREREQUISITE COURSES (9 HRS)**
- ISQA 3900 Web App Development: All
- ISQA 8030 Information Systems/Ethics: Fall
- ISQA 8040 Overview of Sys Devel: Fall/Spr

**REQUIRED COURSES (9 HRS)**
- ISQA 8210 Mgmt of Software Devel: Fall/Spr
- ISQA 8810 IT Project Fundamentals: Fall
- ISQA 8820 Project Risk Mgmt: Spr

**ELECTIVE COURSES (3 HRS)**
- ISQA 8196 Proc Re-Eng w/IT: Spr
- ISQA 8220 Adv Sys Analysis/Design: Fall/Spr
- ISQA 8420 Managing the IS Function: Sum/Fall
- ISQA 8080 Seminar in MIS
- ISQA 8086 Special Topics: ISQA
- ISQA 8900 Independent Research

Remaining: 12 Compl: 0

### SYSTEMS ANALYSIS/DESIGN

**PREREQUISITE COURSES (12 HRS)**
- ISQA 3900 Web App Development: All
- ISQA 8030 Information Systems/Ethics: Fall
- ISQA 8040 Overview of Sys Devel: Fall/Spr

**REQUIRED COURSES (9 HRS)**
- ISQA 8210 Mgmt of Software Devel: Fall/Spr
- ISQA 8220 Adv Sys Analysis/Design: Fall/Spr
- ISQA 8410 Database Management: Spr/Sum

**ELECTIVE COURSES (3 HRS)**
- ISQA 8420 Managing the IS Function: Sum/Fall
- ISQA 8106 Architecture/Organizations: Fall
- ISQA 8080 Seminar in MIS
- ISQA 8086 Special Topics: ISQA
- ISQA 8900 Independent Research

Remaining: 12 Compl: 0

### DATA ANALYTICS (15 CREDIT HOURS)

**PREREQUISITE COURSES (9 HRS)**
- CIST 1600/CIST 1400 Practical Scripting: All
- ISQA 3310 Mng DB Environment: All

**REQUIRED COURSES (9 HRS)**
- ISQA 8210 Mgmt of Software Devel: Fall/Spr
- ISQA 8220 Adv Sys Analysis/Design: Fall/Spr
- ISQA 8410 Database Management: Spr/Sum

**ELECTIVE COURSES (3 HRS)**
- ISQA 8420 Managing the IS Function: Sum/Fall
- ISQA 8106 Architecture/Organizations: Fall
- ISQA 8080 Seminar in MIS
- ISQA 8086 Special Topics: ISQA
- ISQA 8900 Independent Research

Remaining: 12 Compl: 0

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### INFORMATION ASSURANCE

**PREREQUISITE COURSES (9 HRS)**
- ISQA 8030 Information Systems/Ethics: Fall
- ISQA 8040 Overview of Sys Devel: Fall/Spr

**REQUIRED COURSES (9 HRS)**
- ISQA 8546 Computer Security Mgmt: Fall/Spr
- ISQA 8570 Info Security/Policy/Ethics: OD
- ISQA 8580 Sec Risk Mgmt/Assessment: OD

**ELECTIVE COURSES (3 HRS)**
- ISQA 8560 Info Warfare/Security: Sum
- ISQA 8080 Seminar in MIS
- ISQA 8086 Special Topics: ISQA
- ISQA 8900 Independent Research

### DATA VISUALIZATION (3 CREDIT HOURS)

**Required Courses (9 HRS)**
- ISQA 8210 Mgmt of Software Devel: Fall/Spr
- ISQA 8220 Adv Sys Analysis/Design: Fall/Spr
- ISQA 8410 Database Management: Spr/Sum

**ELECTIVES (6 HRS)**
- ISQA 8016 Business Intelligence: Spr
- ISQA 8206 Info/Data Quality Mgmt: Fall
- ISQA 8380 Enter. Arch. and System Int: Sp/Sum
- ISQA 8700 Data Mining: Theory/Prac: Spr

### ELECTIVES (6 HRS)

**Required Courses (9 HRS)**
- ISQA 8210 Mgmt of Software Devel: Fall/Spr
- ISQA 8220 Adv Sys Analysis/Design: Fall/Spr
- ISQA 8410 Database Management: Spr/Sum

**ELECTIVES (6 HRS)**
- ISQA 8016 Business Intelligence: Spr
- ISQA 8206 Info/Data Quality Mgmt: Fall
- ISQA 8380 Enter. Arch. and System Int: Sp/Sum
- ISQA 8700 Data Mining: Theory/Prac: Spr

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**MIS GRADUATE CERTIFICATE**

**Plan of Study**

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**Student Signature**

**Adviser Signature**

**Graduation Program Committee Chair Signature**